



••• Boundaries of Adolescence

• Roughly defined as (ages)?

- Other ways of defining boundaries?
- Series of passages from immaturity to maturity – boundaries can be inconsistent
- Early, middle, late phases

















o Adolescent development highly variable

Adolescence
Chapter 1: Biological Transitions



••• Puberty: Three Chief Physical Manifestations

o Growth spurt

21

- Primary sex characteristics development of the gonads
- Development of secondary sex characteristics – genital and breast development, pubic, facial, and body hair















Somatic Development:

- Changes in Stature/ Dimensions
 of the Body
 - Adolescent growth spurt
 - Simultaneous release of growth hormones, thyroid hormones, and androgens
 - Peak Height Velocity
 - Time that adolescent is growing most quickly
 - Average female growth spurt is 2 years before the average male growth spurt
- Somatic Development: Changes in Stature/ Dimensions of the Body
 Skeletal changes
 Bones become harder, denser, more brittle
 Conclusion of puberty
 - Closing of ends of long bones
 - Growth in height is terminated
- Relative proportions of body fat/muscle change for boys and for girls
- Changes in the circulatory & respiratory systems

Individual Differences in Pubertal Maturation

• Pubertal maturation

28

- an interaction between genes and environment
- Differences in timing/rate among individuals in the same general environment result chiefly from genetic factors
- Two key environmental influences: nutrition and health
- Exposure to pheromes

29











• Theoretical perspectives

36

•••• Physical Health and Health Care in Adolescence

- One of the healthiest periods of the lifespan
- Threat to health: Psychosocial Causes (not natural causes)
- Reducing health compromising behaviors
- Increasing health enhancing behaviors especially among poor & minority populations
- Increasing access to healthcare among the poor, very important goal

Physical Health and Health Care in Adolescence • • •

- PARADOX: Healthy period of lifespan
- o But nearly 1 in 15 adolescents has at least one disabling chronic illness
 - such as mental disorders (depression)
 - respiratory illnesses (asthma)
 - muscular and skeletal disorders (arthritis)

Adolescent Mortality • • • o 45% of teen deaths Car accidents • Other unintentional injuries

38

- 30% of teen deaths Homicide and suicide
- o 50 years ago, most deaths due to illness/ disease 39

